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EXAMINER

NGUYEN, THANH T

ART UNIT

PAPER NUMBER

2144

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Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/608,232

Applicant(s)

DODRILL ET AL.

Examiner

Tammy T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on September 26, 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-42 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 June 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.



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***Detailed Office Action***

1. This action is in response to the amendment after final filed on 09/26/2005.
2. Claims 1-42 are presented for reexamination.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 1-17, and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murtaza Ali., (hereinafter Ali) U.S. Patent No. 6,144,937 in view of Premkumar V. Uppaluru., (hereinafter Uppaluru) U.S. Patent No. 5,915,001.

5. As to claim 1, Ali teaches the invention as claimed, including a method in a browser for providing an audibly controlled user interface for a limited communication device, the steps comprising: receiving speech input information over an interface connection capable of two-way communication with the limited communication device (Fig. 1, microphone M over an interface 12, and col.5, lines 10-20); generating at least one key chunk of information based on the speech input information (col.5, lines 16-18, speed input from microphone is generated and applied to filter 14, the output of which is applied to the input of analog-to-digital converter (ADC) 16); generating an audio output developed based on the at least one key chunk of information; (col.5, lines 18-22 after generating of an speed input then on the output side, receiving at an input of digital-to analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S); and providing the audio output over the interface connection to the limited communication device in response to generating the audio output (col.5, lines 21-22, and col.6, lines 17-21). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the

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computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

6. As to claim 2, Ali teaches the invention as claimed, wherein the step of generating the audio output comprises: providing the at least one key chunk of information to a web application; and receiving the web application, an application-defining document accessed in response to the at least one key chunk of information provided to the web application (fig.1 and col.6, lines 10-15). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

7. As to claim 3, Ali teaches the invention as claimed, wherein the step of receiving the speech input information comprises receiving the speech input information over a telephony connection to the limited communication device; and the step of providing the audio output over the interface connection comprises providing the audio output over the telephony connection (Audio interface handset 10 and speaker S audio output).

8. As to claim 4, Ali teaches the invention as claimed, wherein the step of generating

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the at least one key chunk of information comprises generating the at least one key chunk of information by an automatic speech recognition module deriving the at least one key chunk of information from the speech input information (Fig.1, and col.6, lines 10-15).

9. As to claim 5, Ali teaches the invention as claimed, wherein the step of receiving the speech input information comprises receiving an input indicating an initial access to the limited communication device (Fig.1, Microphone M input speed).

10. As to claim 6, Ali teaches the invention as claimed, wherein the step of receiving the speech input information comprises receiving at least one of a command for storing data, a command for retrieving data, and a command for placing an outbound telephony call (col.15, lines 30-35).

11. As to claim 7, Ali teaches the invention as claimed, including a processor-based system for providing an audibly controlled interface for a limited communication device, the processor-based system comprising: an interface connection capable of two-way communication with the limited communication device (Fig.1, Interface 12 connection capable of two-way communication); and a proxy browser in communication with the interface connection (proxy browser 20 connect with interface 12); wherein the interface connection receives speech input information and provides the speech input information to the proxy browser (Fig.1 speed input Microphone M); the proxy browser generates at least one key chunk of information based on the speech input information (Fig.1); the proxy browser generates an audio output developed based on the at least one key chunk of information and provides the audio output to the interface connection (fig.1); and the interface connection provides the audio output to the limited communication device (col.5, lines 20-22, and col.6, lines 18-21). But Ali does not explicitly teach a response

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document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

12. As to claim 8, Ali teaches the invention as claimed, wherein the proxy browser provides the at least one key chunk of information to a web application over a network (Fig.1 Proxy browser 20); and receives an application-defining document accessed in response to the at least one key chunk of information provided to the web application (receiving at an input of digital-to analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

13. As to claim 9, Ali teaches the invention as claimed, wherein the interface connection is a telephony connection (col.5, lines 6-11, handset 10).

14. As to claim 10, Ali teaches the invention as claimed, further comprising an

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automatic speech recognition module wherein the automatic speech recognition module derives the at least one key chunk of information from the speech input information received over the interface connection (receiving at an input of digital-to analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S).

15. As to claim 11, Ali teaches the invention as claimed, wherein the speech input information comprises an input indicating an initial access to the limited communication device (Fig.1, Microphone M input speed).

16. As to claim 12, Ali teaches the invention as claimed, wherein the speech input information comprises at least one of a command for storing data, a command for retrieving data, and a command for placing an outbound telephony call (col.15, lines 30-35).

17. As to claim 13, Ali teaches the invention as claimed, including a processor-based system for providing an audibly controlled interface for a limited communication device, the processor-based system comprising: an interface connection capable of two-way communication with the limited communication device (Fig.1, an Interface 12 connection capable of two-way communication); and means for generating an audio output, the generating means in communication with the interface connection, wherein the interface connection receives speech input information and provides the speech input information to the generating means (Fig.1 show speed input and output); the generating means generates at least one key chunk of information based on the speech input information (col.5, lines 16-18 and Fig.1); the generating means generates an audio output developed based on the at least one key chunk of information and provides the audio output to the interface connection (col.5, lines 18-22 on the output side, receiving at an input of digital-



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to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S); and the interface connection provides the audio output to the limited communication device (col.5, lines 21-22, and col.6, lines 17-21). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

18. As to claim 14, Ali teaches the invention as claimed, including a computer program product that includes a computer readable medium having instructions stored thereon for providing an audibly controlled interface for a limited communication device, such that the instructions, when carried out by a computer, cause the computer to perform the steps of: receiving speech input information over an interface connection capable of two-way communication with the limited communication device (Fig.1, an Interface 12 connection capable of two-way communication); generating at least one key chunk of information based on the speech input information (col.5, lines 16-18 and Fig.1); generating an audio output developed based on the at least one key chunk of information (col.5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S); and providing the audio output over the interface connection to the limited communication device in response to generating the audio output (col.5, lines 21-22, and col.6, lines 17-

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21). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speck recognition in IVR system.

19. As to claim 15, Ali teaches the invention as claimed, wherein the step of generating the audio output comprises: providing the at least one key chunk of information to a web application, and receiving an application-defining document accessed in response to the at least one key chunk of information provided to the web application (col.5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speck recognition in IVR system.

20. As to claim 16, Ali teaches the invention as claimed, including a computer program propagated signal product embodied in a propagated medium, having instructions for providing an audibly controlled interface for a limited communication,

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such that the instructions, when carried out by a computer, cause the computer to perform the steps of: receiving speech input information over an interface connection capable of two-way communication with the limited communication device (Fig. 1, an Interface 12 connection capable of two-way communication); generating at least one key chunk of information based on the speech input information (col. 5, lines 16-18 and Fig. 1); generating an audio output developed based on the at least one key chunk of information (col. 5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S); and providing the audio output over the interface connection to the limited communication device in response to generating the audio output (col. 5, lines 21-22, and col. 6, lines 17-21). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col. 6, lines 30-63, col. 9, lines 5-16, and col. 10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

21. As to claim 17, Ali teaches the invention as claimed, wherein the step of generating the audio output comprises: providing the at least one key chunk of information to a web application, and receiving an application-defining document accessed in response to the at least one key chunk of information provided to the web application (col. 5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output

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at speaker S). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

22. As to claim 33, Ali teaches the invention as claimed, including a method in a browser for providing an audibly controlled user interface for requesting call services, the steps comprising: receiving input information indicating an initial access to a limited communication device over an interface connection capable of two-way communication with the limited communication device (Fig.1, an Interface 12 connection capable of two-way communication); providing a first request to a web application based on the input information (col.5, lines 16-18, speed input from microphone is generated and applied to filter 14, the output of which is applied to the input of analog-to-digital converter (ADC) 16); providing audio output over the interface connection to the limited communication device received from the web application in response to providing the first request (fig.1); and providing a second request that specifies a call service to the web application in response to generating at least one key chunk of information based on speech information received over the interface connection in response to providing the audio output (col.5, lines 21-22, and col.6, lines 17-21). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary

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skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

23. As to claim 41, Ali teaches the invention as claimed, including a method in a browser for providing an audibly controlled user interface for a limited communication device, the steps comprising: receiving speech input information including at least one of an input indicating an initial access to the limited communication device over a telephony connection, a command for storing data, a command for retrieving data, and a command for placing an outbound telephony call (Fig.1, microphone M over an interface 12, and col.5, lines 10-20); generating the at least one key chunk of information by an automatic speech recognition module deriving the at least one key chunk of information from the speech input information (col.5, lines 16-18, speech input from microphone is generated and applied to filter 14, the output of which is applied to the input of analog-to-digital converter (ADC) 16); generating an audio output developed based on the at least one key chunk of information, providing the at least one key chunk of information to a web application to the at least one key chunk of information provided to the web application (col.5, lines 18-22 after generating of an speech input then on the output side, receiving at an input of digital-to analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S); and providing the audio output over the telephony connection to the limited communication device in response to generating the audio output (col.5, lines 21-22, and col.6, lines 17-21). But Ali does not explicitly teach a

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response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

24. Claims 18-32, 34-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murtaza Ali., (hereinafter Ali) U.S. Patent No. 6,144,937, and Premkumar V.Uppaluru., (hereinafter Uppaluru) U.S. Patent No. 5,915,001 in view of Day et al., (hereinafter Day) U.S. Patent No. 6,243,722.

25. As to claim 18, Ali teaches the invention as claimed, including a method in a server for providing an audibly controlled user interface for requesting call services over a network, the steps comprising: accessing an application in response to a request received over the network (col.5, lines 10-12, A microphone M receiving audio input); providing a response suitable for audio output based on the application request (col. 5, lines 11-13, a speaker S outputting audible output); receiving at least one key chunk of information over the network based on speech input information based on the response, and initiating a call service in response to receiving the at least one key chunk of information (col.5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output

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at speaker S). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system. Also, Ali, and Uppaluru do not teach defining tagged document. However, Day teaches defining tagged document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Day into the computer system of Ali to have defining tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

26. As to claim 19, Ali teaches the invention as claimed, wherein: the step of providing the response suitable for audio output based on the application (Fig. 1, shows Speaker S output speed); the step of accessing the application defining tagged document comprises accessing an extensible markup language document, defining tagged document comprises generating the response based on the extensible markup language document. However, Day teaches the application defining tagged document accessing an extensible markup language document; and the executable resource generates the response based on the extensible markup language document (col.3, lines 1-20, col.5, lines 45-55, and col.8, line 61 to col.9, line 12). ). It would have been obvious to one of ordinary skill in the art

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the time of the invention was made to combine the teachings of Ali and Day to have the application defining tagged document is an extensible markup language (XML) tags because it would have an efficient system to provide in computer network for assisting user in collectively developing and modifying networked-based document.

27. As to claim 20, Ali teaches the invention as claimed, wherein the step of accessing the application defining tagged document in response to the request received over the network comprises receiving an input indicating an initial access to a limited communication device (Fig. 1, Microphone M input speed).

28. As to claim 21, Ali teaches the invention as claimed, wherein the step of accessing the application comprises receiving the request from a proxy browser based on an interface connection between the proxy browser and a limited communication device (fig. 1 shows proxy browser 20).

29. As to claim 22, Ali does not teach the invention as claimed, the step of providing a modified application defining tagged document based on dynamically changing modifiable responses in the application defining tagged document in response to the request. However, Day teaches providing a modified application defining tagged document based on dynamically changing modifiable responses in the application defining tagged document in response to the request (col. 8, line 61 to col. 9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Ali and Day to have defining tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.



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30. As to claim 23, Ali teaches the invention as claimed, further comprising the steps of receiving a modification input and providing a modified application based on dynamically changing modifiable responses in the application based on the modification input (Fig. 1). But Ali does not teach defining tagged document. However, Day teaches defining tagged document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Ali and Day to have defining tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

31. As to claim 24, Ali teaches the invention as claimed, including a processor-based system for providing an audibly controlled interface over a network, the system comprising: a document database configured for storing a plurality of application (col.15, lines 31-34); and an executable resource in communication with the document database and the network, wherein the executable resource accesses an application in response to a request received over the network (col.5, lines 10-12, A microphone M receiving audio input); provides a response suitable for audio output based on the application request (col. 5, lines 11-13, a speaker S outputting audible output); receives at least one key chunk of information over the network based on speech input information, and initiates a call service in response to receiving the at least one key chunk of information (col.5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document

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(see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system. Also, Ali, and Uppaluru do not teach defining tagged document. However, Day teaches defining tagged document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Day into the computer system of Ali to have tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

32. As to claim 25, Ali does not teach the invention as claimed, wherein the application defining tagged document is an extensible markup language document; and the executable resource generates the response based on the extensible markup language document. However, Day teaches the application defining tagged document is an extensible markup language document; and the executable resource generates the response based on the extensible markup language document (col.3, lines 1-20, col.5, lines 45-55, and col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Ali and Day to have the application defining tagged document is an extensible markup language (XML) tags because it would have an efficient system to provide in computer

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network for assisting user in collectively developing and modifying networked-based document.

33. As to claim 26, Ali teaches the invention as claimed, wherein the request comprises an input indicating an initial access to a limited communication device (Fig. 1, Microphone M input speed).

34. As to claim 27, Ali teaches the invention as claimed, wherein the executable resource receives the request from a proxy browser based on an interface connection between the proxy browser and a limited communication device (Fig. 1 show proxy browser 20).

35. As to claim 28, Ali does not teaches the invention as claimed, wherein the executable resource receives a modification input and the executable resource dynamically changes modifiable responses in the tagged document in response to the modification input to provide a modified tagged document. However, Day teach executable resource dynamically changes modifiable responses in the tagged document in response to the modification input to provide a modified tagged document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Ali and Day to have defining tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

36. As to claim 29, Ali does not teaches the invention as claimed, wherein the executable resource receives a modification input and the executable resource dynamically changes modifiable responses in the tagged document in response to the

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modification input to provide a modified tagged document. However, Day teach executable resource dynamically changes modifiable responses in the tagged document in response to the modification input to provide a modified tagged document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Ali and Day to have defining tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

37. As to claim 30, Ali teaches the invention as claimed, including a processor-based system for providing an audibly controlled interface over a network, the system comprising: a document database configured for storing a plurality of application (col.15, lines 31-34); and means for producing a response suitable for audio output, the producing means in communication with the document database and the network, wherein the producing means: accesses an application in response to a request received over the network (col.5, lines 10-12, A microphone M receiving audio input); provides a response suitable for audio output based on the application request (col. 5, lines 11-13, a speaker S outputting audible output); receives at least one key chunk of information over the network based on speech input information based on the response, and initiates a call service in response to receiving the at least one key chunk of information (col.5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been

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obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system. Also, Ali, and Uppaluru do not teach defining tagged document. However, Day teaches defining tagged document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Day into the computer system of Ali to have defining tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

38. As to claim 31, Ali teaches the invention as claimed, including a computer program product that includes a computer readable medium having instructions stored thereon for providing an audibly controlled interface over a network, such that the instructions, when carried out by a computer, cause the computer to perform the steps of: accessing an application defining tagged document in response to request received over the network (col.5, lines 10-12, A microphone M receiving audio input); provides a response suitable for audio output based on the application request (col. 5, lines 11-13, a speaker S outputting audible output); receives at least one key chunk of information over the network based on speech input information based on the response, and initiates a call service in response to receiving the at least one key chunk of information (col.5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the

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converter analog are then applied to filter 24, for output at speaker S). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system. Also, Ali, and Uppaluru do not teach defining tagged document. However, Day teaches defining tagged document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Day into the computer system of Ali to have defining tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

39. As to claim 32, Ali does not teach the invention as claimed, wherein: the step of accessing the application defining tagged document comprises accessing an extensible markup language document; and the step of providing the response suitable for audio output based on the application defining tagged document comprises generating the response based on the extensible markup language document. However, Day teaches accessing the application defining tagged document comprises accessing an extensible markup language document; and the step of providing the response suitable for audio output based on the application defining tagged document comprises generating the

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response based on the extensible markup language document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Ali and Day to have tags document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

40. As to claim 34, Ali teaches the invention as claimed, including a method in an application server, the steps comprising: receiving a first request over a network for a response for a subscriber (Fig.1); accessing profile information for the subscriber from a database (col.15, lines 31-34); generating a response document having content that specify media content that define playback of the response for the subscriber in an audible form (col. 5, lines 11-13, a speaker S outputting audible output); receiving a second request over the network including at least one key chunk generated based on a speech command provided by the subscriber based on the response document, and initiating a call service based on interpretation of the at least one key chunk relative to the profile information and the response (col.5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S). But Ali does not explicitly teach a response document. However, Uppaluru teaches a response document (see col.6, lines 30-63, col.9, lines 5-16, and col.10, lines 28-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Uppaluru into the computer system of Ali to have a response document because it would have an efficient

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system that can provide specific functions to allow widespread use of such files for caller authentication and for performing speaker dependent speech recognition in IVR system.

Also, Ali, and Uppaluru do not teach tags document. However, Day teaches tags document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Day into the computer system of Ali to have tags because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document.

41. As to claim 35, ALi does not teach receiving a first request comprises receiving a first hypertext transfer protocol (HTTP) request; the step of accessing profile information comprises accessing profile information from the database based on Internet Protocol (IP); generating a hypertext markup language (HTML) document having extensible markup language (XML) tags; and the step of receiving the second request comprises receiving a second HTTP request. However, Day teaches receiving a first hypertext transfer protocol (HTTP) request, the step of accessing profile information comprises accessing profile information from the database based on Internet Protocol (IP), the step of generating a response document comprises generating a hypertext markup language (HTML) document having extensible markup language (XML) tags, and the step of receiving the second request comprises receiving a second HTTP request (col.3, lines 1-20, col.5, lines 45-55, and col.8, line 61 to col.9, line12). ). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Ali and Day to have teaches receiving a first hypertext transfer protocol (HTTP) request, generating a hypertext markup language (HTML) document having



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extensible markup language (XML) tags because it would have an efficient system to provide in computer network for assisting user in collectively developing and modifying networked-based document.

42. As to claim 36, Ali teaches the invention as claimed, wherein the step of initiating a call service comprises initiating an outgoing call to a destination based on interpretation of the at least one key chunk relative to the profile inform (col.5, lines 18-22 after generating of an speed input then on the output side, receiving at an input of digital-to analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S).

43. Claims 37-40, and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murtaza Ali., (hereinafter Ali) U.S. Patent No. 6,144,937, Premkumar V.Uppaluru., (hereinafter Uppaluru) U.S. Patent No. 5,915,001 and Day et al., (hereinafter Day) U.S. Patent No. 6,243,722 in view of Ahmet Alpdemir (hereinafter Alpdemir) U.S. Patent No. 6,658,389.

44. As to claim 37, Ali teaches the invention as claimed, wherein the browser is configured to retrieve web-based documentation containing markup language on behalf of multiple user devices; wherein the response document is a web page containing a markup language reference to a sound file (see col.5, lines 10-22); and wherein the step of generating the audio output includes the step of: Ali does not explicitly teach playing the sound file referenced by the markup language reference contained in the web page in order to generate the audio output. However, Alpdemir teaches playing the sound file

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referenced by the markup language reference contained in the web page in order to generate the audio output (see col.1, lines 55-60, and col.3, line 60 to col.4, line 15).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Alpdemir into the computer system of Ali to have markup language reference contained in the web page in order to generate the audio output because it would have an efficient system that can provide specific functions for submitting and retrieving ratings for goods and services which can be used by both businesses and consumers.

45. As to claim 38, Ali teaches the invention as claimed, wherein the step of receiving the speech input includes the step of obtaining an incoming wireless signal from a wireless user device, the wireless signal carrying the speech input (see col.1, lines 23-67); wherein the step of generating the at least one key chunk of information includes the step of parsing the web page to identify the markup language reference to the sound file; Ali and Day do not explicitly teach step of providing the audio output includes the step of transmitting an outgoing wireless signal to the wireless user device, the outgoing wireless signal carrying the audio output. However, However, Alpdemir teaches step of providing the audio output includes the step of transmitting an outgoing wireless signal to the wireless user device, the outgoing wireless signal carrying the audio output (see col.1, lines 55-60, and col.3, line 60 to col.4, line 15). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Alpdemir into the computer system of Ali to have markup language reference contained in the web page in order to generate the audio output because it would have an

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efficient system that can provide specific functions for submitting and retrieving ratings for goods and services which can be used by both businesses and consumers.

46. As to claim 39, Ali teaches the invention as claimed, wherein the browser is configured to retrieve web-based documentation containing markup language on behalf of multiple user devices; wherein the response document is a web page containing a markup language reference to a sound file (see col.5, lines 10-22); and wherein the step of generating the audio output includes the step of: Ali, and Day do not explicitly teach playing the sound file referenced by the markup language reference contained in the web page in order to generate the audio output. However, Alpdemir teaches playing the sound file referenced by the markup language reference contained in the web page in order to generate the audio output (see col.1, lines 55-60, and col.3, line 60 to col.4, line 15).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Alpdemir into the computer system of Ali to have markup language reference contained in the web page in order to generate the audio output because it would have an efficient system that can provide specific functions for submitting and retrieving ratings for goods and services which can be used by both businesses and consumers.

47. As to claim 40, Ali teaches the invention as claimed, wherein the speech input includes an incoming wireless signal from a wireless user device, the wireless signal carrying the speech input (see col.1, lines 23-67); wherein the step of generating the at least one key chunk of information includes the step of parsing the web page to identify the markup language reference to the sound file; Ali, and Day do not explicitly teach step of providing the audio output includes the step of transmitting an outgoing wireless signal

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to the wireless user device, the outgoing wireless signal carrying the audio output. However, Alpdemir teaches step of providing the audio output includes the step of transmitting an outgoing wireless signal to the wireless user device, the outgoing wireless signal carrying the audio output (see col.1, lines 55-60, and col.3, line 60 to col.4, line 15). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Alpdemir into the computer system of Ali to have markup language reference contained in the web page in order to generate the audio output because it would have an efficient system that can provide specific functions for submitting and retrieving ratings for goods and services which can be used by both businesses and consumers.

48. As to claim 42, Ali teaches the invention as claimed, including a method in a server for providing an audibly controlled user interface for requesting call services over a network, the steps comprising: accessing an extensible markup language (XML) document in response to a request received over the network from a proxy browser based on an interface connection between the proxy browser and a limited communication device (col.5, lines 10-12, A microphone M receiving audio input); providing a response suitable for audio output based on the XML document and the request (col. 5, lines 11-13, a speaker S outputting audible output); receiving at least one key chunk of information over the network based on speech input information based on the response; initiating a call service in response to receiving the at east one key chunk of information (col.5, lines 18-22 on the output side, receiving at an input of digital-to-analog converter (ADC) 22, the converter analog are then applied to filter 24, for output at speaker S); But, Ali does not teach defining tagged document. However, Day teaches defining tagged

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document (col.8, line 61 to col.9, line 12). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Ali and Day to have defining tagged document because it would have an efficient system to supply with an identifying data in memory or a sequence of characters in a markup language used to provide information, formatting specifications about a document. Also Ali and Day do not explicitly teach providing a modified XML document based on dynamically changing modifiable responses in the XML document based on the modification input. However, Alpdemir teaches providing a modified XML document based on dynamically changing modifiable responses in the XML document based on the modification input (see col.1, lines 55-60, and col.3, line 60 to col.4, line 15). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Alpdemir into the computer system of Ali to have XML document based on dynamically changing modifiable responses in the XML document based on the modification input because it would have an efficient system that can provide specific functions for submitting and retrieving ratings for goods and services which can be used by both businesses and consumers.

### ***Conclusion***


49. Any inquiries concerning this communication or earlier communications from the examiner should be directed to **Tammy T. Nguyen** who may be reached via telephone at **(571) 272-3929**. The examiner can normally be reached Monday through Friday between 8:00 a.m. and 6:00 p.m. eastern standard time.

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If you need to send the Examiner, a facsimile transmission regarding this instant application, please send it to **(703) 872-9306**. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, David Wiley, may be reached at **(571) 272-3923**.

*TTN*

December 7, 2005



**DAVID WILEY**  
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